

In the Claims

1. (Currently amended) A photosensitive resin printing plate material comprising a support provided thereon at least a photosensitive resin layer and an optical density changing layer comprising a composition containing a metal oxide or a composition containing a heat-decomposable compound and a light-to-heat converting substance, wherein the composition ~~undergoes evaporation or discoloration~~ evaporates or discolors, and the optical density changing layer yields an optical density of 2.0 or higher before irradiating a laser radiation thereto, and 0.5 or lower after laser is irradiated thereto, further having a film layer interposed between the photosensitive resin layer and the optical density changing layer.

2. (Original) A photosensitive resin printing plate material as claimed in Claim 1, wherein the film layer has a thickness in a range of 1 to 30 μm .

3. (Previously cancelled)

4. (Previously amended) A photosensitive resin printing plate material as claimed in Claim 1, wherein the photosensitive resin layer is provided at a thickness in a range of from 0.1 to 10 mm, and is a layer photocurable by a light having a wavelength in a range of from 300 to 400 nm.

5. (Previously amended) A photosensitive resin printing plate material as claimed in Claim 1, wherein a film stripping layer is incorporated between the photosensitive resin layer and the film layer.

6. (Currently amended) A method for producing a photosensitive resin printing plate, comprising at least the following steps in this order,

a step of forming an image on an optical density changing layer which ~~comprises~~ comprises a composition containing a metal oxide or a composition containing a heat-decomposable compound

and a light-to-heat converting substance, wherein the composition ~~undergoes evaporation or discoloration~~ evaporates or discolors, and the optical density changing layer yields an optical density of 2.0 or higher before irradiating a laser radiation thereto, and 0.5 or lower after laser is irradiated thereto,

a step of forming a latent image by exposure of the photosensitive resin layer through the image,

a step of peeling off the film layer and the optical density changing layer from the photosensitive resin layer, and

a step of developing the photosensitive resin layer.

7. (Previously added) A photosensitive resin printing plate material as claimed in Claim 2, wherein the photosensitive resin layer is provided at a thickness in a range of from 0.1 to 10 mm, and is a layer photocurable by a light having a wavelength in a range of from 300 to 400 nm.

8. (Previously added) A method for producing a photosensitive resin printing plate from the photosensitive resin printing plate material of Claim 2, comprising at least the following steps in this order,

a step of forming an image on an optical density changing layer,

a step of forming a latent image by exposure of the photosensitive resin layer through the image,

a step of peeling off the film layer and the optical density changing layer from the photosensitive resin layer, and

a step of developing the photosensitive resin layer.

9. (Previously added) A method for producing a photosensitive resin printing plate from the photosensitive resin printing plate material of Claim 4, comprising at least the following steps in this order,

a step of forming an image on an optical density changing layer,

a step of forming a latent image by exposure of the photosensitive resin layer through the image,

a step of peeling off the film layer and the optical density changing layer from the photosensitive resin layer, and

a step of developing the photosensitive resin layer.